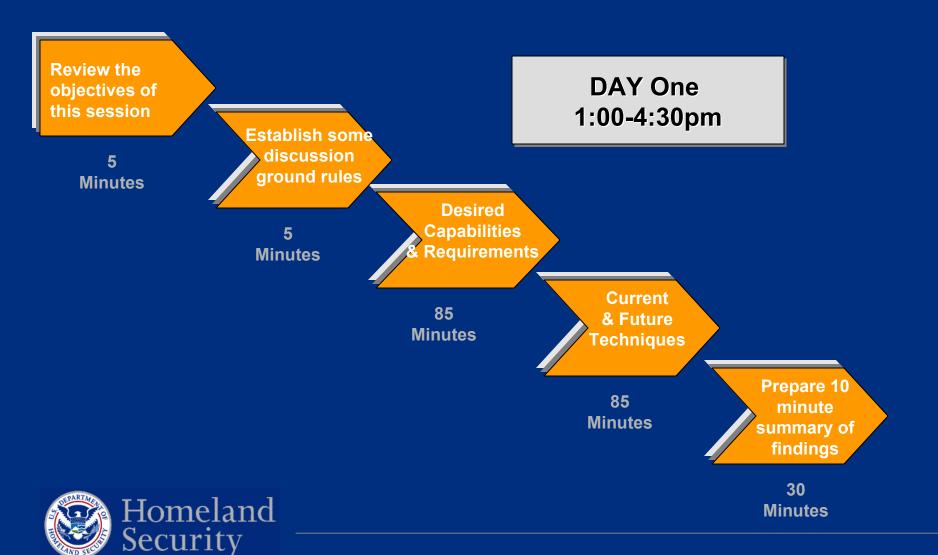
## U.S. Department of Homeland Security

Goals and Objectives of the Workshop on Strategies for the Detection of Low Vapor Pressure Chemicals

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## The breakout session process...



## Four break-out groups by topic ...

Pre-Concentration  Acquiring Atmospheric Sample and Concentrating Analyte Prior to Analysis

Large Volume
Sample
Collection

Pumping Massive
 Volumes of Atmosphere
 Past Sensor (>100L/min.)

Short-Range Detection < 3 m

 Surface and Aerosol Detection

Long-Range Detection > 3 m Cloud Monitoring

For each Topic, HSARPA would like to know:

- Current COMMERCIAL
   State of the Art
- Technical Limitations to COMMERCIAL Approach
- What Other Programs
   Exist to Address This
   Challenge
- Identify Existing Gaps
- What is DHS' Role in Filling These Gaps?



## Drivers...

- AFFORDABILITY
- ID all possible approaches
- Desired Deliverable System
- Current Technology Maturity
- Time to Fielding
- Technology Risk
- Technology Breadth/Depth in R&D

- Prioritize investment across all possible approaches
- Diversify approach, reduce risks, and phase in development
- Maximize cooperation and minimize overlap with existing R&D programs
- User Special Environment

